

Annotated



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ENVIRONMENTAL  
PROTECTION AGENCY

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[Part B.6 in "Planning Documents and RI/FS Work Plan" section  
of SOW -- bottom of p. 5 + top of p. 6]

6.

~~TASK 4 - BASELINE RISK ASSESSMENT (3.4.2)~~

Plan

A baseline risk assessment <sup>plan (BRAP)</sup> will be performed by IEPA to identify and characterize the toxicity and levels of hazardous substances present, contaminant fate and transport, the potential for human or environmental exposure, or both, and the risk of potential impacts or threats on human health and the environment. It will provide the basis for determining whether or not remedial action is necessary, and a justification for performing remedial actions. The procedures to perform a baseline risk assessment for human health are outlined in EPA's Superfund Public Health Evaluation Manual (SPHEM). ~~These procedures are outlined below and must be followed by the respondent.~~ Other resources that ~~the respondent must~~ utilize when performing the baseline risk assessment include: EPA's Superfund Exposure Assessment Manual (SEAM), the Integrated Risk Information System (IRIS), the Public Health Evaluation Database (PHRED), and the Interim Final Risk Assessment Guidance for Superfund - Environmental Evaluation Manual.

also  
delete  
this!!!

Bebit Corporation will be given the opportunity to review and comment on BRAP-related documents.

note: All references to "BRA" have been changed to "BRAP" in the SOW.

related contaminants as well as specific effects such as carcinogenicity, reproductive dysfunction, teratogenicity, neurotoxicity and other metabolic alterations; plus the effect on aquatic and terrestrial wildlife posed by facility-related substances.

facility - Assess impact by identifying acceptable exposure guidelines or standards, comparing estimated doses with these guidelines or standards. For target chemicals at the site that are designated as carcinogens by USEPA and IEPA Agency evaluations and techniques ~~should be~~ utilized to estimate the increase in cancer risks. ~~will~~

~~Sources and magnitude of uncertainties generated in the risk assessment process may be identified as recommended by USEPA guidance. This activity will evaluate the impact on the analysis of uncertainties propagated through the BRA and BRP.~~

~~BRAP~~ The BRA will be conducted in accordance with the procedures described in USEPA's risk assessment guidance, Risk Assessment Guidance for Superfund: Volume I: Human Health Evaluation Manual and Risk Assessment Guidance for Superfund: Volume II: Environmental Evaluation Manual, as noted in Section 3.6 of the "Planning Documents and RI/FS Work Plan" portion of this document. all current

#### Task 4 - Laboratory and Bench Scale Studies

If needed, laboratory and/or bench-scale studies will be used to determine the applicability of remedial technologies to facility conditions and problems. The analysis of technologies will be based on a literature review, vendor contracts and past experience to determine the testing requirements. This task should not be initiated until sufficient evidence of contamination exists to warrant a screening of alternatives for remediation purposes. Laboratory and bench-scale studies will be conducted for processes that may be applicable as remediation technologies

If necessary, a testing plan will be developed identifying the type(s) and goal(s) of the study(ies), the level of effort needed, and data management and interpretation guidelines for submission to IEPA and USEPA for review and approval.

Upon completion of the testing, the results will be evaluated to assess the technologies with respect to the specific questions related to the facility as identified in the testing plan. Scale up those technologies selected based upon review and approval of test results by the IEPA Project Manager.

If laboratory and bench-scale testing is required, a report summarizing the testing program and its results, both positive and negative will be prepared. This report, along with other technical

note: The reference "Baseline Risk Assessment" in Task 6.b of the "Remedial Investigation" portion has been deleted (top of p.15).